



SL C530 FLEX

HIGHLY FLEXIBLE, FIBRE-REINFORCED SMOOTHING COMPOUND

Date: 01 October 2021

Fact Sheet No.: TDS01731

YOUR SMART ADVANTAGES

- Fibre-reinforced for flexibility
- Rapid setting
- Can be used over sound, firmly bonded timber flooring

USES

Bostik SL C530 FLEX is a flexible smoothing compound, which is reinforced with fibres. It has excellent workability and flow characteristics, is self-smoothing and can be trowelled to depths between 3mm and 30mm in a single application.

It is suitable for smoothing and levelling sound, strong substrates where minimal vibration or lateral movement occurs. It can be laid over most common substrates including: concrete, sand/cement screeds, stone, anhydrite screeds, rigid metal, terrazzo & quarry tiles, asphalt and other strong, rigid subfloors. It may also be used over sound, firmly bonded timber flooring such as 12mm flooring grade SP101 plywood and P5 chipboard, provided the timber is mechanically fixed. Bostik SL C530 FLEX should not be used over adhesive residues.

Bostik SL C530 FLEX is totally protein-free, making it suitable for use in biologically sensitive areas. The low-odour formulation makes Bostik SL C530 FLEX ideal for use in occupied buildings.

It is suitable for use with warm water underfloor heating systems and for encapsulating electrical radiant mat & cable heating systems, provided a surface temperature of +27°C is not exceeded. It is suitable for normal wear in commercial locations. It is not to be used as a wearing surface and should always be covered with a floor covering. For interior use only.

PRODUCT CHARACTERISTICS

Colour	Grey
Form	Dry, free flowing powder

Composition	Blend of cements and fibres
Product Codes	30620339 20kg bag
Storage/Shelf Life	Store and transport securely. Store for up to 6 months from date of manufacture in original, unopened packaging, clear of the ground, in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from excessive drafts, frost, damp, condensation and dew.

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +25°C
Coverage	Approx. 4m ² per bag at 3mm depth (depending on the smoothness of the floor surface & application technique)
Gauging Liquid	Water
Application Thickness	3mm to 30mm
Working Times	Up to 20 minutes after mixing (depending on ambient temperatures)
Drying Times	Foot traffic: approx. 4 hours Loose lay floor coverings: approx. 8 hours Bond floor coverings: approx. 12 hours (<3mm depth at +18°C, depending on ambient conditions)
Compressive Strength	Typically 30N/mm ² after 28 days

Flexural Strength	Typically 7N/mm ² after 28 days
Cleaning	Clean tools and equipment with warm soapy water immediately after use

DIRECTIONS FOR USE

IMPORTANT: Before using Bostik SL C530 FLEX, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

All phases of installation should comply with the latest editions of:

- BS 8102 Code of Practice for protection of structures against water from the ground.
- BS 5325 Code of Practice for installation of textile floor coverings.
- BS 8203 Code of Practice for installation of resilient floor coverings.
- BS 8201 Code of Practice for installations of for flooring of timber, timber products and wood based panel products.

PREPARATION

Subfloor:

1. Ensure the subfloor is sound, clean, dry and of adequate tensile and compressive strength, free from loose material, laitance, cracks and structural defects.
2. The subfloor should be tested in accordance with British Standards. A reading of 75% RH or less confirms that the subfloor is satisfactorily dry.
3. Any contaminants that may hinder adhesion such as grease, oil, dirt, dust, plaster, some curing compounds, surface hardeners, additives and adhesive residues must be completely removed.
4. Any deep depressions in the floor should be filled with Bostik Rapid Repair Mortar and allowed to dry.
5. For optimum performance, a room temperature of +13°C to +23°C should be maintained for at least 24 hours prior to application. The temperature of the subfloor must be at least +5°C throughout the application and drying of the smoothing compound. Ensure that a maximum room temperature of +25°C is not exceeded during application.

Underfloor heating systems:

6. Warm water underfloor heating systems must be switched off for 48 hours before installation. Wait 48 hours after installation before gradually turning up underfloor heating. However, if no other heat sources are available, please contact Technical Services for advice.
7. Electrical underfloor heating: Bostik SL C530 FLEX may also be used to encapsulate electrical radiant underfloor heating mats. Sufficient depth of Bostik SL C530 FLEX must be applied to support the expected loading on the floor (typically a minimum of 3mm over

the matting).

8. Electrical underfloor heating must be switched off for 48 hours before installation. Wait 7 days after installation before gradually turning up underfloor heating.

PRIMING

9. In all cases, the subfloor must be primed prior to the application of the smoothing compound, as shown in the table below. Priming of absorbent surfaces is recommended to prevent rapid drying of the smoothing compound and minimise the formation of pinholes. See separate technical data sheets for primer application and drying details.

Absorbent substrates:	Bostik GRIP A526 UNIVERSAL (diluted 1:2 with water)
Dense/non-absorbent substrates including epoxy membranes:	Bostik GRIP A526 UNIVERSAL or Bostik GRIP E946 EPOXY (for applications above 10mm)
Calcium sulphate screeds:	Contact Technical Services
Wooden floors (must be mechanically fixed):	Bostik GRIP A526 UNIVERSAL (diluted 1:2 with water)
Flooring grade mastic asphalt screeds:	Bostik GRIP A526 UNIVERSAL neat (for applications up to 5mm max)
Metal decking:	Contact Technical Services
Radiant/electrical underfloor heating systems:	Contact Technical Services

MIXING & APPLICATION DEPTH

10. Pour 4 litres of clean, cold water into a clean mixing bucket. Gradually add the bag of Bostik SL C530 FLEX powder to the water, whilst continually mixing with an electric drill and mixing paddle until a smooth, lump-free mixture is obtained. This will normally be achieved after 2 minutes. Do not under mix.
11. The mixture will remain workable for approximately 20 minutes under normal conditions. If the mix begins to stiffen before it has been spread, it must be discarded. Do not add further water.

Note: the addition of too much water may result in separation of the compound.

12. Bostik SL C530 FLEX can be applied from a minimum depth of 3mm, up to 30mm in a single application (5mm maximum total depth on mastic asphalt screeds and a maximum depth of 10mm on anhydrite subfloors.

- Any subsequent layers (up to a maximum combined depth of 30mm) are best applied as soon as the first layer is set for walking, but still damp. If it is dry, an intermediate primer coat of Bostik GRIP A526 UNIVERSAL (diluted 1:2 with water) is required.

APPLICATION

- Pour the mixed material onto the prepared subfloor in a continuous operation and allow to flow.
- Using a steel screeding trowel, spread evenly to the required depth and smoothness. Once laid, a second trowelling can be carried out after 15 to 30 minutes, depending on site conditions.
- Protect surface from traffic prior to laying a floor covering. Ensure the compound is fully dry before applying a floor covering.

DRYING TIMES

- Protect freshly applied product from strong sunlight and through draughts, as this can dehydrate the product, resulting in incorrect curing. Also, protect from rain and frost. Do not force dry the smoothing compound, as this may affect the curing process.
- The drying time depends on how absorbent the subfloor is, the air humidity and both the ambient & floor temperatures.
- Ceramic, textile, vinyl and wooden floor coverings can be laid directly over Bostik SL C530 FLEX after the following times:

Loose lay floor coverings:	8 hours approx. (<3mm depth at +18°C)
Bond floor coverings:	24 hours approx. (<3mm depth at +20°C)
On non-absorbent subfloors lay floor coverings:	24 hours approx. (<3mm depth at +20°C)
Other floor coverings:	Contact Technical Services

The working and drying times of the compound will be reduced in higher temperatures and increased in lower temperatures.

CLEANING

- Clean tools and equipment with warm soapy water immediately after use. Remove surplus compound from surfaces whilst it is still wet. Cured material can only be removed mechanically.

PRECAUTIONS IN USE

Do not use as a substitute for a DPM.

Application in high temperatures may result in rapid setting and poor flow. The rapid loss of water may increase the risk of cracking. Do not force dry this product.

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Bostik SL C530 FLEX, available at www.bostik.com/uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



**CONSTRUCTION PRODUCT REGULATION
DECLARATION OF PERFORMANCE**

No: TDS01731 / DOP: 400-21-3180

Product Description: **Bostik SL C530 FLEX**
Product Code: **5010591013032**
Intended Use: **Cementitious screed material**
Manufacturer: **Bostik Ltd**
Contact Address: **Common Road
Stafford
ST16 3EH**
System of Assessment: **System 4**
Harmonised Standard: **EN 13813:2002**
Declared Performance: **CT-C25-F7**

Essential characteristics	Performance	Harmonised technical specification
Compressive strength	>30N/mm ²	EN 13813:2002
Flexural strength	>7N/mm ²	
Reaction to fire	F	

The performance of the product is Bostik SL C530 FLEX 5010591013032 in conformity with the declared performance shown in the table above.

This declaration of performance is issued under the sole responsibility of Bostik Ltd.

Signed for and on behalf of Bostik Ltd by:

Name: Marrienne Drayton

Function: Quality Manager

Signature:

Date: January 2021

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